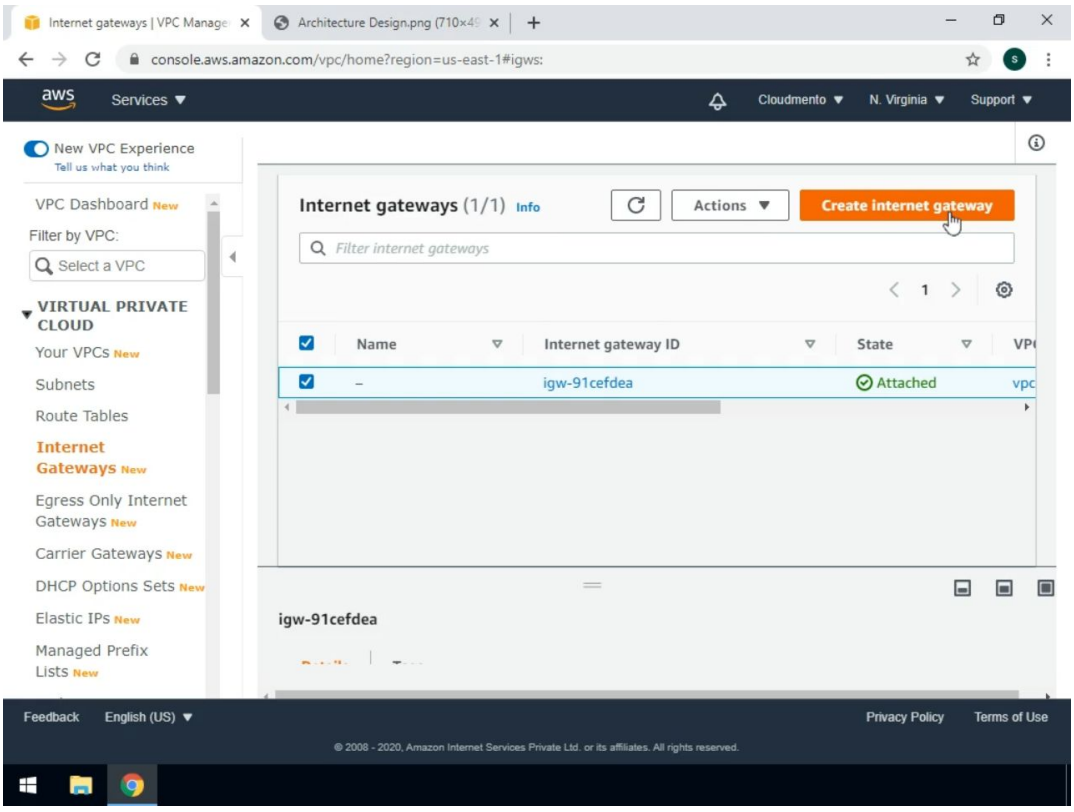
View, add and edit your notes in the app

Coursera - Create your first custom VPC and its components in AWS

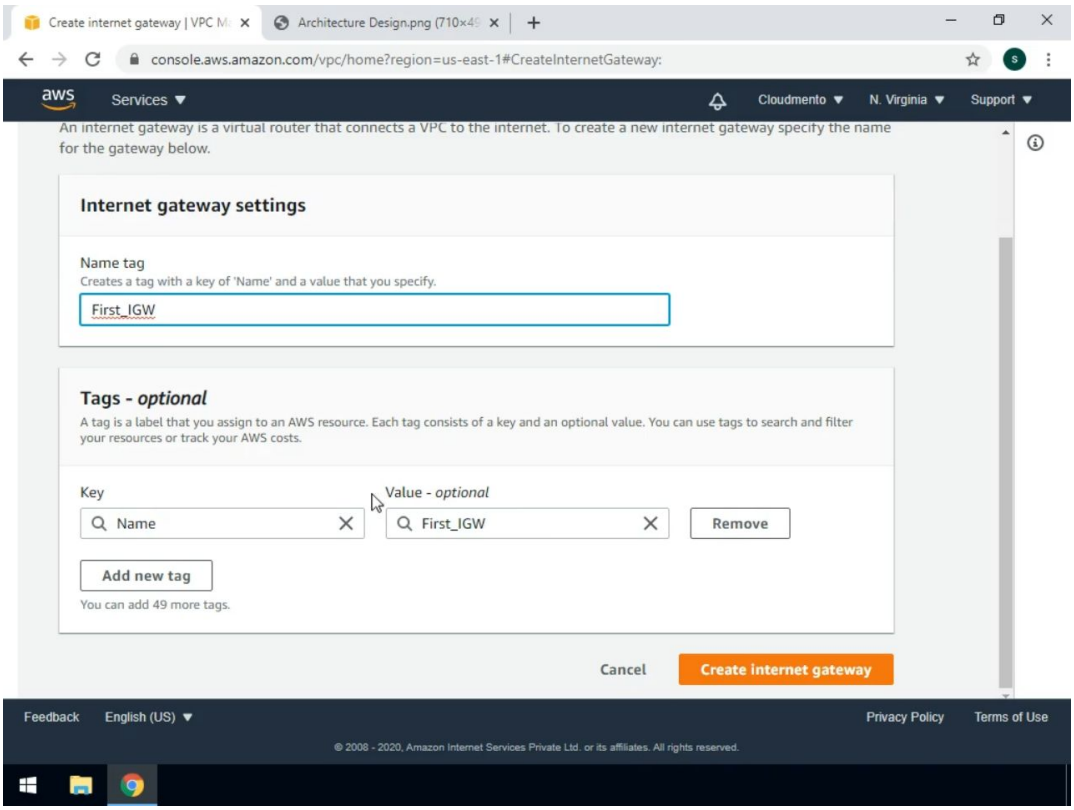
Generated on December 12, 2023

Summary

Notes	Screenshots	Bookmarks
1	15	0



0:26


Create internet gateway | VPC M
Architecture Design.png (710×49
console.aws.amazon.com/vpc/home?region=us-east-1#CreateInternetGateway:
aws
Services
Cloudmento
N. Virginia
Support
An internet gateway is a virtual router that connects a VPC to the internet. To create a new internet gateway specify the name for the gateway below.
Internet gateway settings
Name tag
Creates a tag with a key of 'Name' and a value that you specify.
First_IGW
Tags - optional
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.
Key
Value - optional
Name
First_IGW
Remove
Add new tag
You can add 49 more tags.
Cancel
Create internet gateway
Feedback
English (US)
Privacy Policy
Terms of Use
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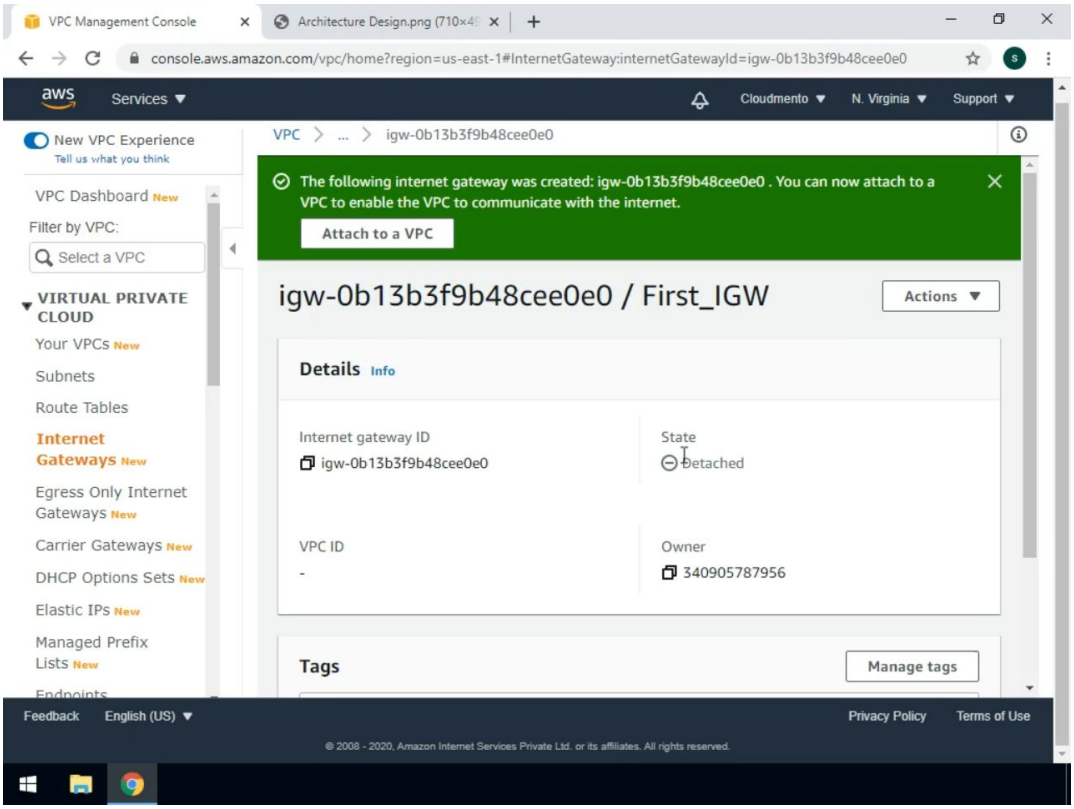
0:41


VPC Management Console
Architecture Design.png (710×49
console.aws.amazon.com/vpc/home?region=us-east-1#InternetGateway:internetGatewayId=igw-0b13b3f9b48cee0e0
aws
Services
Cloudmento
N. Virginia
Support
New VPC Experience
Tell us what you think
VPC Dashboard New
Filter by VPC:
Select a VPC
VIRTUAL PRIVATE CLOUD
Your VPCs New
Subnets
Route Tables
Internet Gateways New
Egress Only Internet Gateways New
Carrier Gateways New
DHCP Options Sets New
Elastic IPs New
Managed Prefix Lists New
Endpoints
VPC
...
igw-0b13b3f9b48cee0e0
The following internet gateway was created: igw-0b13b3f9b48cee0e0 . You can now attach to a VPC to enable the VPC to communicate with the internet.
Attach to a VPC
igw-0b13b3f9b48cee0e0 / First_IGW
Actions
Details Info
Internet gateway ID
igw-0b13b3f9b48cee0e0
State
Detached
VPC ID
-
Owner
340905787956
Tags
Manage tags
Feedback
English (US)
Privacy Policy
Terms of Use
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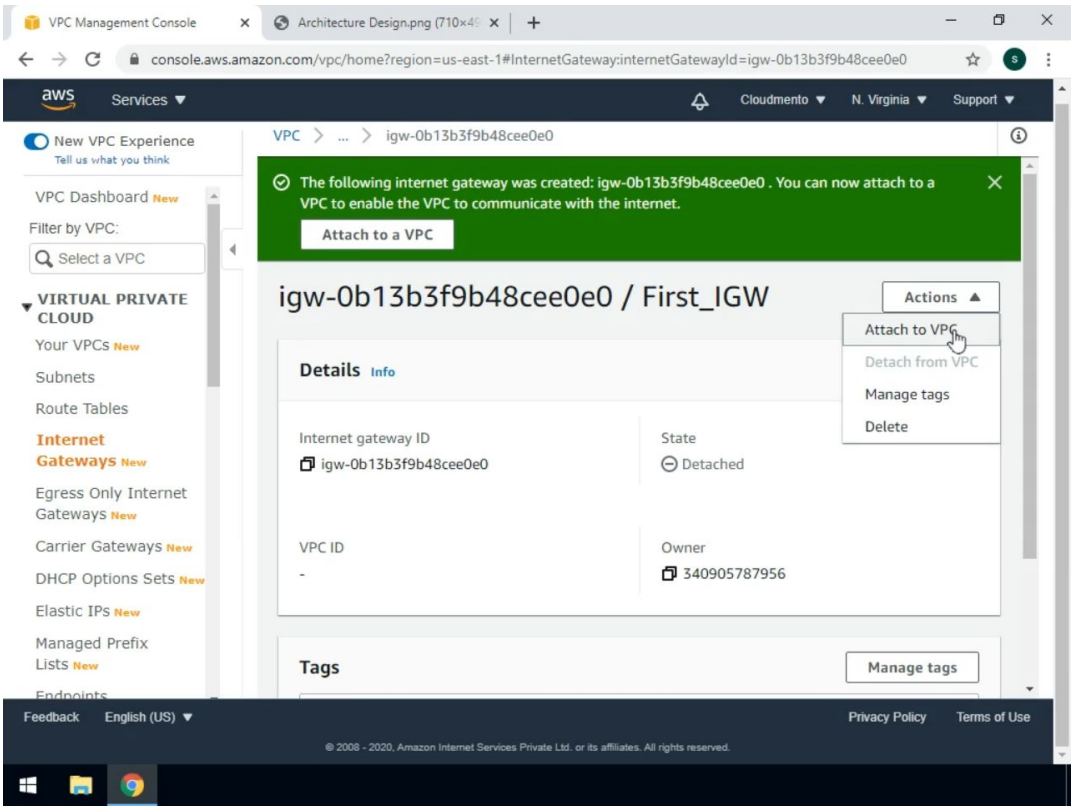
0:48


VPC Management Console
Architecture Design.png (710×4
console.aws.amazon.com/vpc/home?region=us-east-1#InternetGateway:internetGatewayId=igw-0b13b3f9b48cee0e0
aws
Services
Cloudmento
N. Virginia
Support
New VPC Experience
Tell us what you think
VPC Dashboard New
Filter by VPC:
Select a VPC
VIRTUAL PRIVATE CLOUD
Your VPCs New
Subnets
Route Tables
Internet Gateways New
Egress Only Internet Gateways New
Carrier Gateways New
DHCP Options Sets New
Elastic IPs New
Managed Prefix Lists New
VPC > ... > igw-0b13b3f9b48cee0e0
The following internet gateway was created: igw-0b13b3f9b48cee0e0 . You can now attach to a VPC to enable the VPC to communicate with the internet.
Attach to a VPC
igw-0b13b3f9b48cee0e0 / First_IGW
Actions
Attach to VPC
Detach from VPC
Manage tags
Delete
Details Info
Internet gateway ID
igw-0b13b3f9b48cee0e0
State
Detached
VPC ID
-
Owner
340905787956
Tags
Manage tags
Feedback
English (US)
Privacy Policy
Terms of Use
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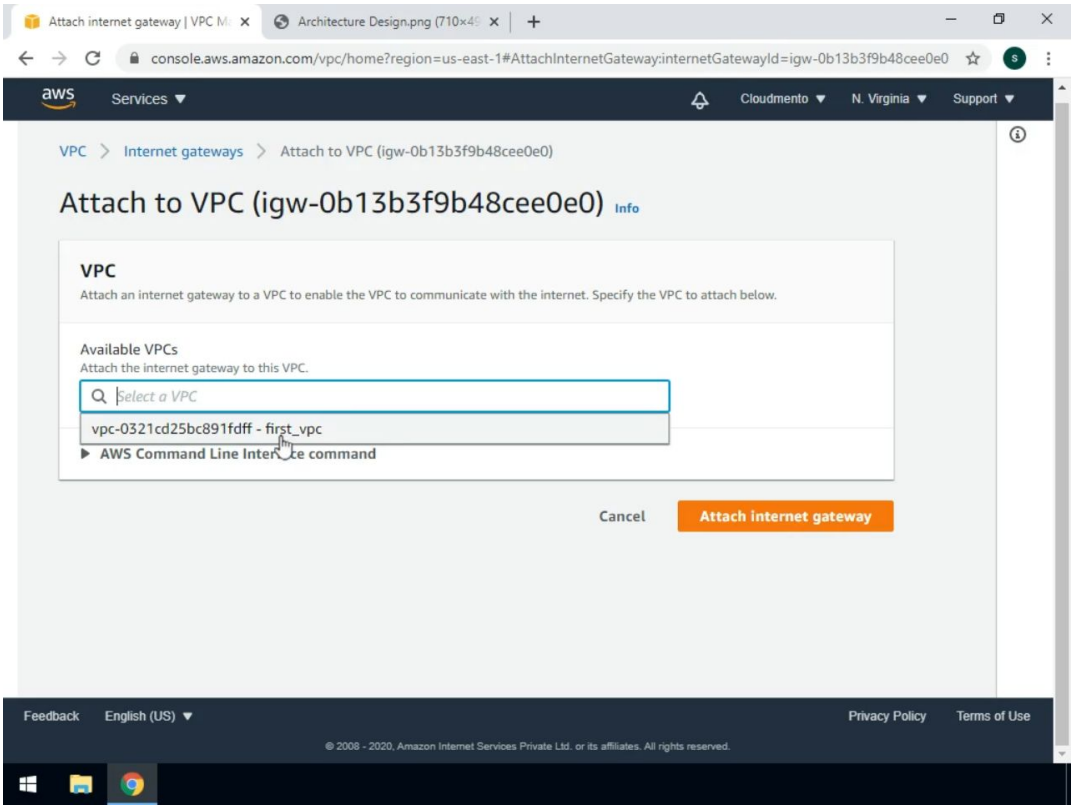
1:02


Attach internet gateway | VPC M
Architecture Design.png (710×4
console.aws.amazon.com/vpc/home?region=us-east-1#AttachInternetGateway:internetGatewayId=igw-0b13b3f9b48cee0e0
aws
Services
Cloudmento
N. Virginia
Support
VPC > Internet gateways > Attach to VPC (igw-0b13b3f9b48cee0e0)
Attach to VPC (igw-0b13b3f9b48cee0e0) Info
VPC
Attach an internet gateway to a VPC to enable the VPC to communicate with the internet. Specify the VPC to attach below.
Available VPCs
Attach the internet gateway to this VPC.
Select a VPC
vpc-0321cd25bc891fdff - first_vpc
AWS Command Line Interface command
Cancel
Attach internet gateway
Feedback
English (US)
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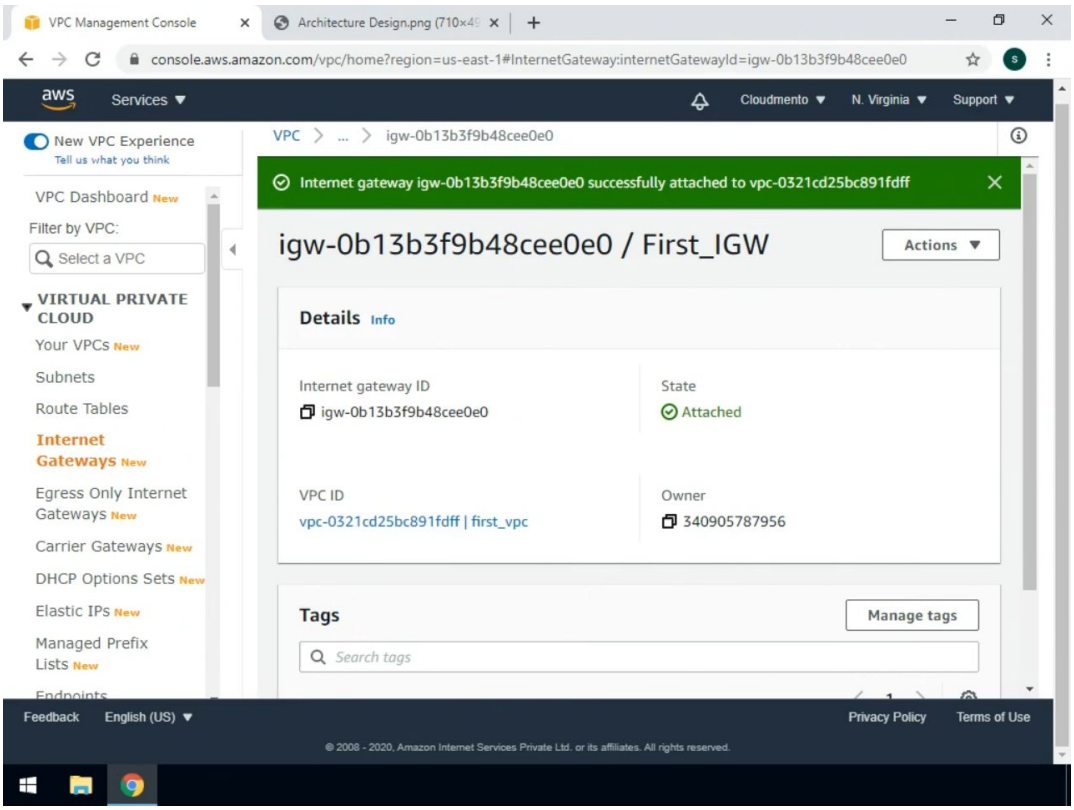
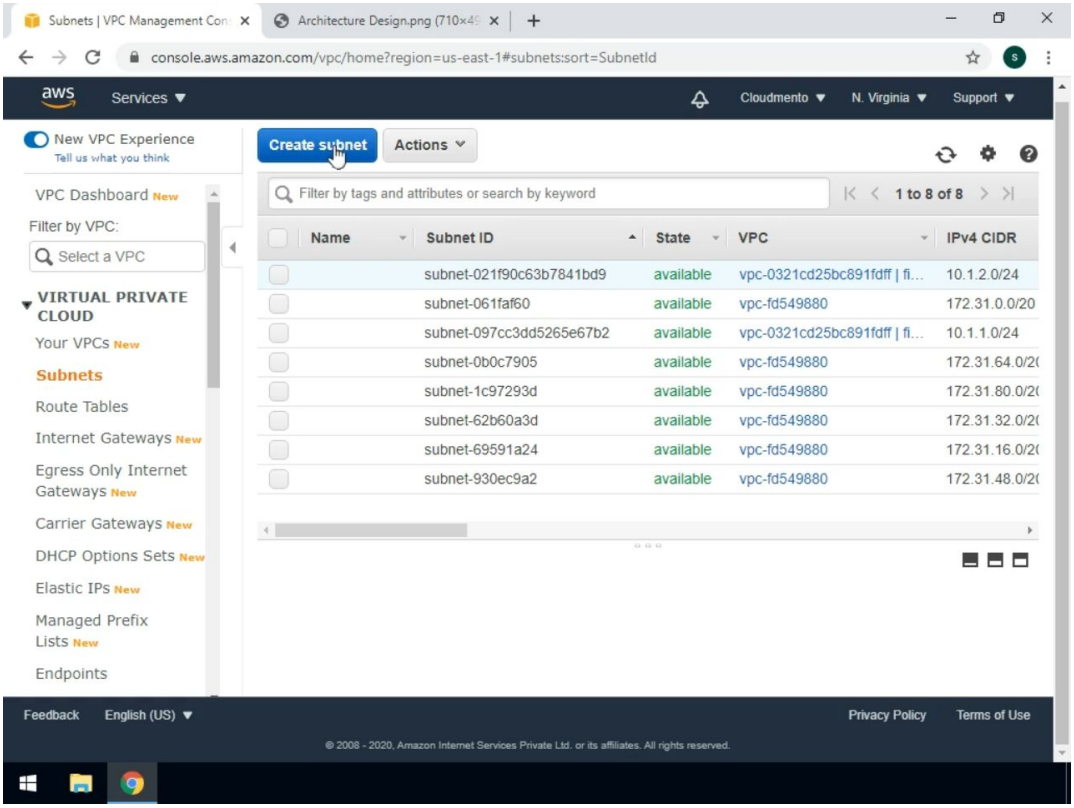
1:08



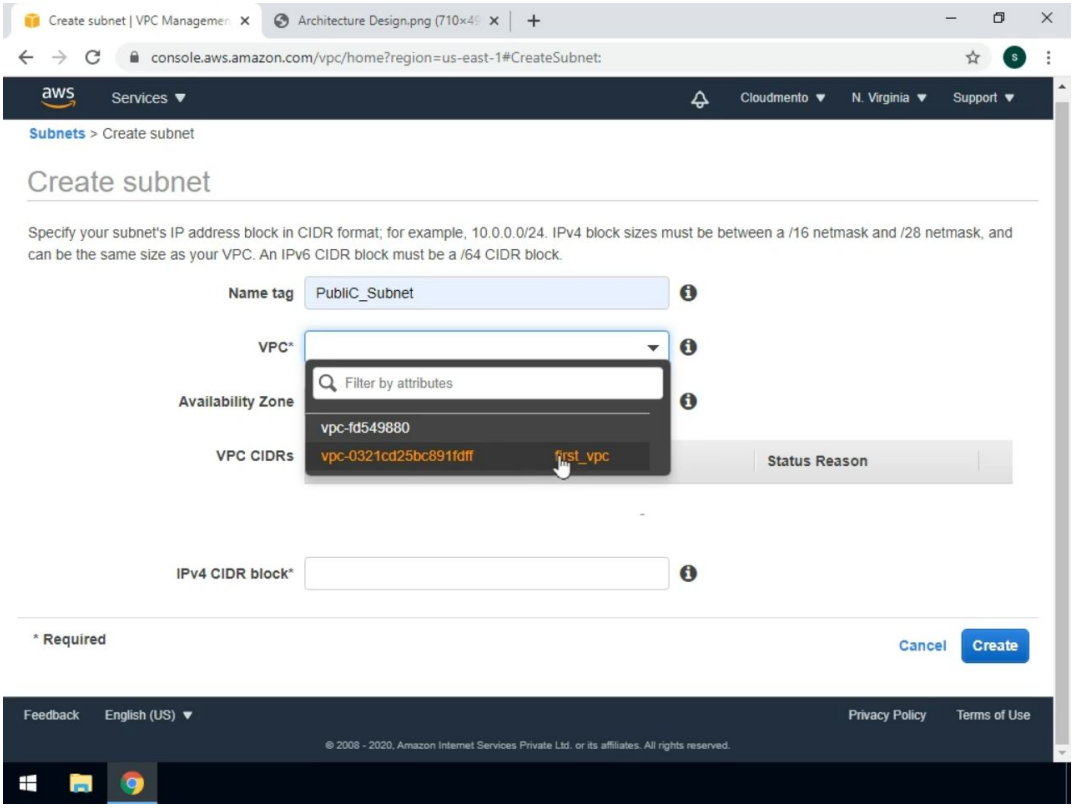
1:18

this will make our vpc accessible from the internet

1:25



1:57


Create subnet | VPC Management
Architecture Design.png (710×49
console.aws.amazon.com/vpc/home?region=us-east-1#CreateSubnet:
aws
Services
Cloudmento
N. Virginia
Support
Subnets > Create subnet
Create subnet
Specify your subnet's IP address block in CIDR format; for example, 10.0.0.0/24. IPv4 block sizes must be between a /16 netmask and /28 netmask, and can be the same size as your VPC. An IPv6 CIDR block must be a /64 CIDR block.
Name tag
PubliC_Subnet
VPC*
Filter by attributes
vpc-fd549880
vpc-0321cd25bc891fdff
first_vpc
Availability Zone
VPC CIDRs
Status Reason
IPv4 CIDR block*
* Required
Cancel
Create
Feedback
English (US)
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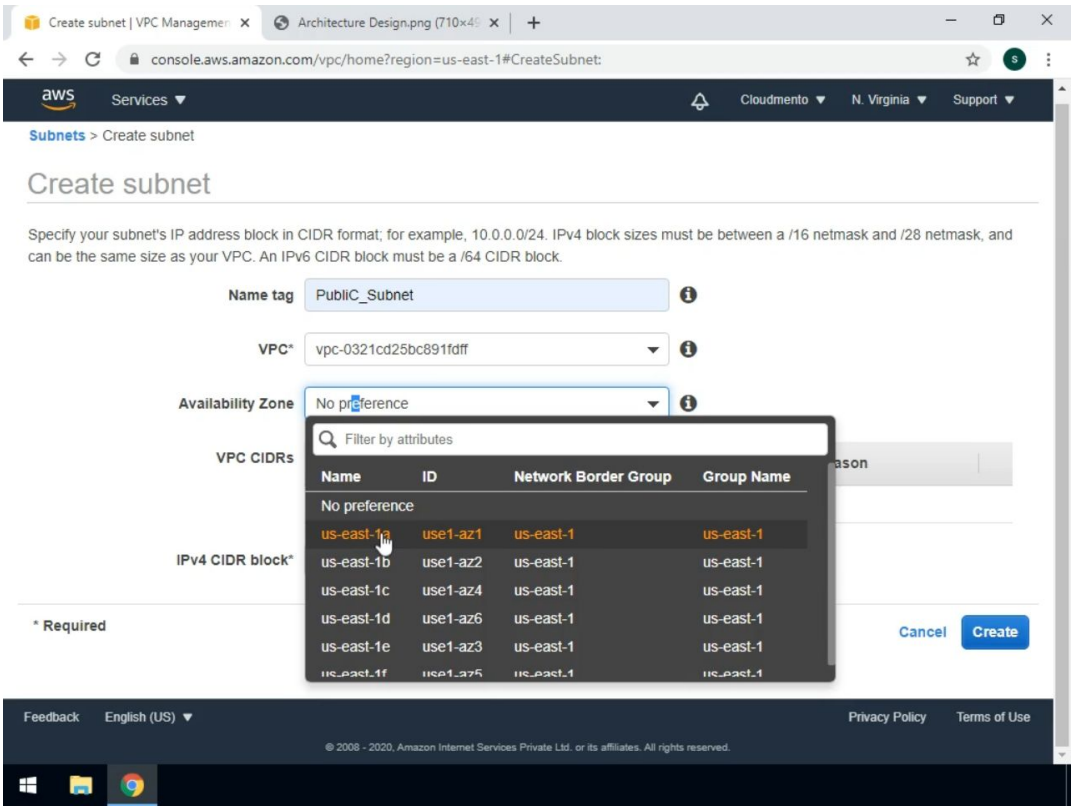
2:16


Create subnet | VPC Management
Architecture Design.png (710×49
console.aws.amazon.com/vpc/home?region=us-east-1#CreateSubnet:
aws
Services
Cloudmento
N. Virginia
Support
Subnets > Create subnet
Create subnet
Specify your subnet's IP address block in CIDR format; for example, 10.0.0.0/24. IPv4 block sizes must be between a /16 netmask and /28 netmask, and can be the same size as your VPC. An IPv6 CIDR block must be a /64 CIDR block.
Name tag
PubliC_Subnet
VPC*
vpc-0321cd25bc891fdff
Availability Zone
No preference
VPC CIDRs
Filter by attributes
Name
ID
Network Border Group
Group Name
No preference
us-east-1a
use1-az1
us-east-1
us-east-1
us-east-1b
use1-az2
us-east-1
us-east-1
us-east-1c
use1-az4
us-east-1
us-east-1
us-east-1d
use1-az6
us-east-1
us-east-1
us-east-1e
use1-az3
us-east-1
us-east-1
IPv4 CIDR block*
* Required
Cancel
Create
Feedback
English (US)
Privacy Policy
Terms of Use
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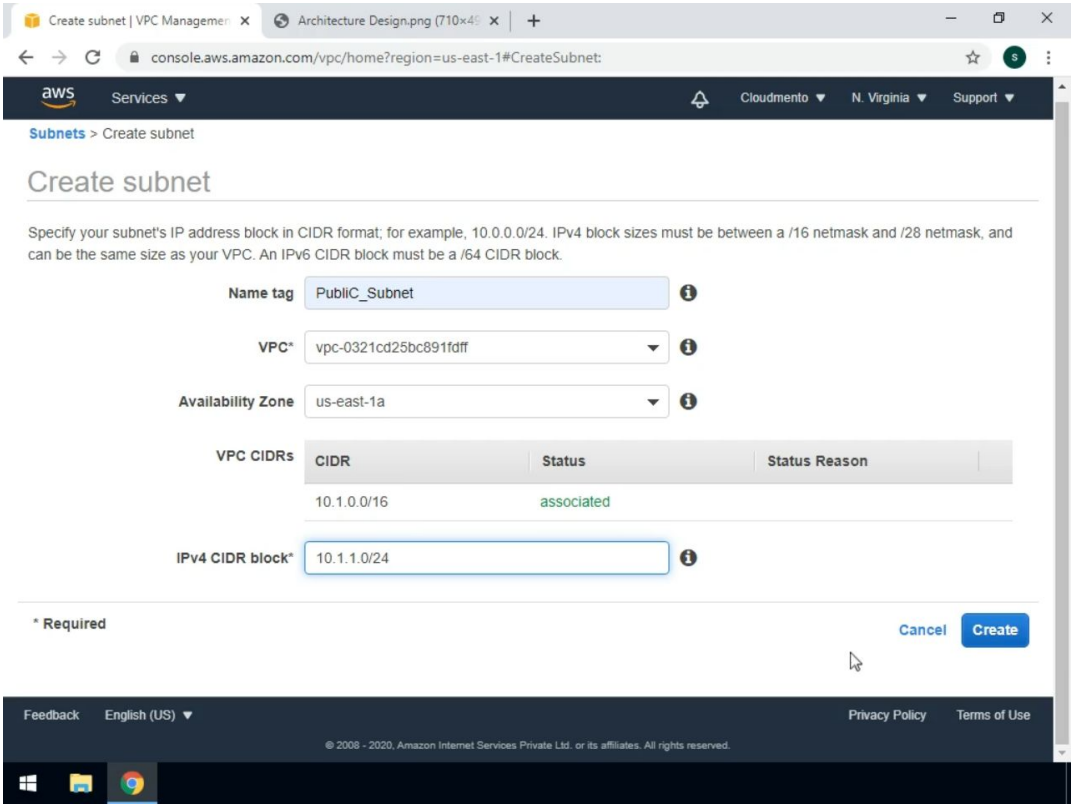
▷ 2:23


Create subnet | VPC Management
Architecture Design.png
console.aws.amazon.com/vpc/home?region=us-east-1#CreateSubnet:
aws
Services
Cloudmento
N. Virginia
Support
Subnets > Create subnet
Create subnet
Specify your subnet's IP address block in CIDR format; for example, 10.0.0.0/24. IPv4 block sizes must be between a /16 netmask and /28 netmask, and can be the same size as your VPC. An IPv6 CIDR block must be a /64 CIDR block.
Name tag
PubliC_Subnet
VPC*
vpc-0321cd25bc891fdff
Availability Zone
us-east-1a
VPC CIDRs
CIDR
Status
Status Reason
10.1.0.0/16
associated
IPv4 CIDR block*
10.1.1.0/24
* Required
Cancel
Create
Feedback
English (US)
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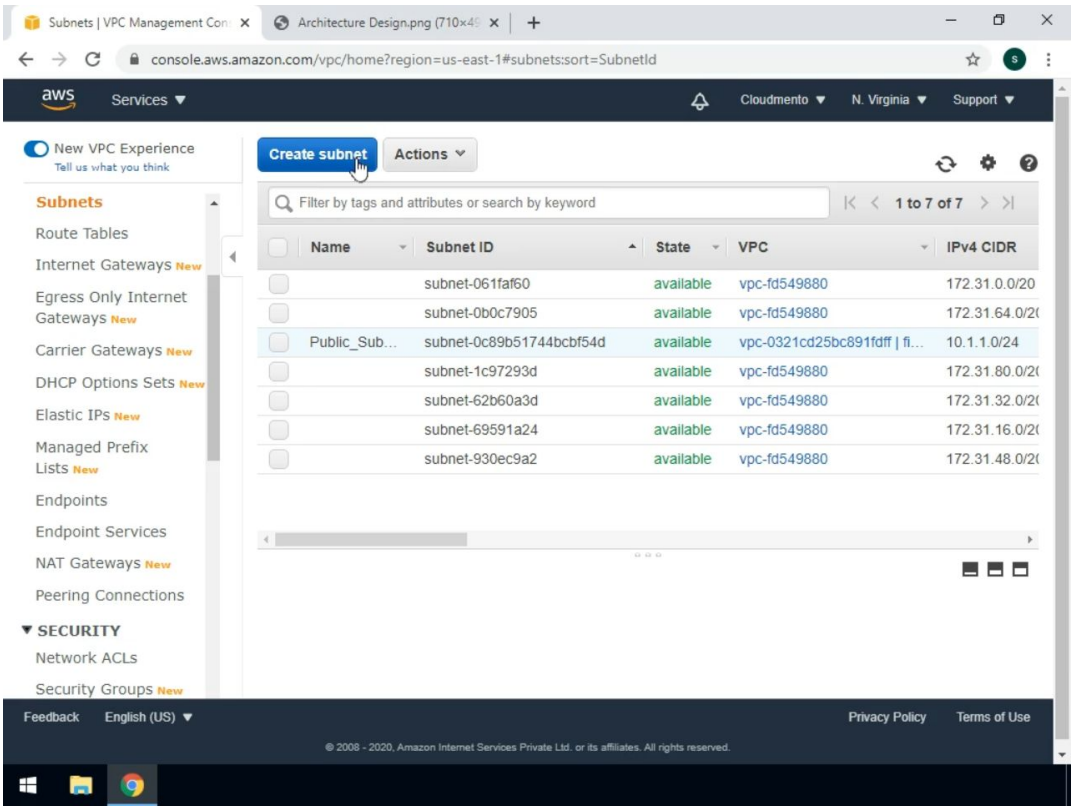
▷ 2:39


Subnets | VPC Management Con
Architecture Design.png
console.aws.amazon.com/vpc/home?region=us-east-1#subnets:sort=SubnetId
aws
Services
Cloudmento
N. Virginia
Support
New VPC Experience
Tell us what you think
Create subnet
Actions
Filter by tags and attributes or search by keyword
1 to 7 of 7
Subnets
Route Tables
Internet Gateways New
Egress Only Internet Gateways New
Carrier Gateways New
DHCP Options Sets New
Elastic IPs New
Managed Prefix Lists New
Endpoints
Endpoint Services
NAT Gateways New
Peering Connections
SECURITY
Network ACLs
Security Groups New
Name
Subnet ID
State
VPC
IPv4 CIDR
subnet-061faf60 available vpc-fd549880 172.31.0.0/20
subnet-0b0c7905 available vpc-fd549880 172.31.64.0/2(
Public_Sub... subnet-0c89b51744bcbf54d available vpc-0321cd25bc891fdff | fi... 10.1.1.0/24
subnet-1c97293d available vpc-fd549880 172.31.80.0/2(
subnet-62b60a3d available vpc-fd549880 172.31.32.0/2(
subnet-69591a24 available vpc-fd549880 172.31.16.0/2(
subnet-930ec9a2 available vpc-fd549880 172.31.48.0/2(
Feedback
English (US)
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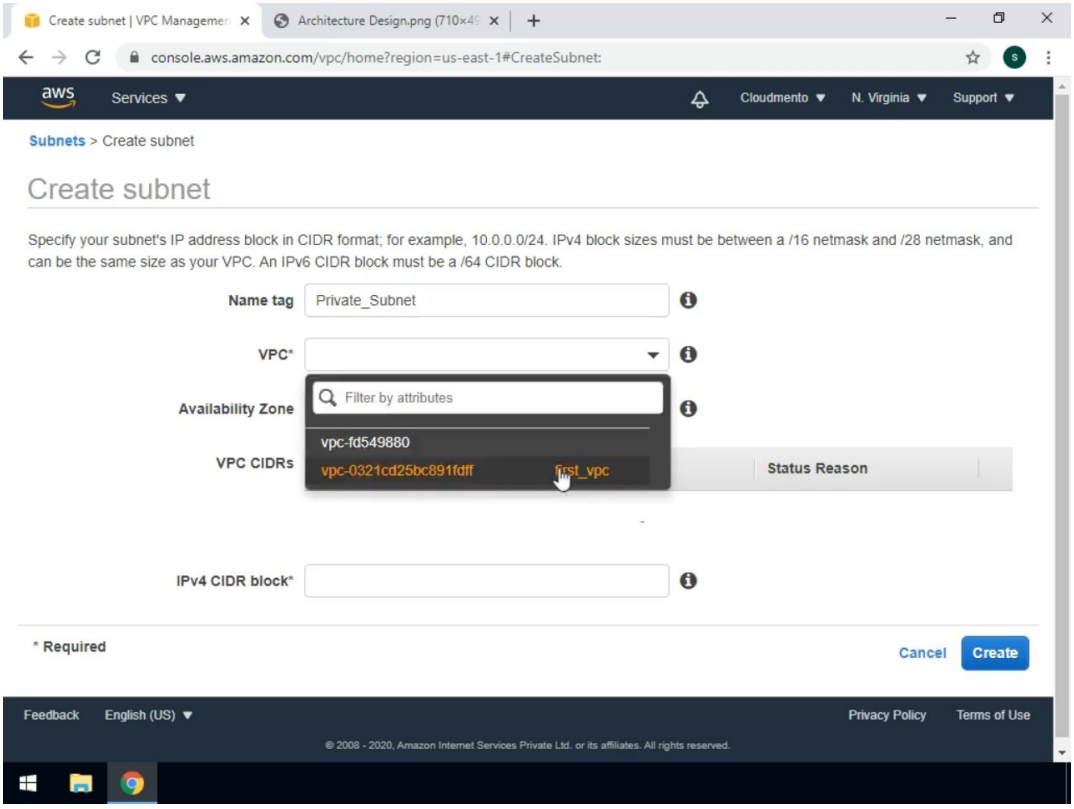
▷ 3:30


Create subnet | VPC Management
Architecture Design.png (710×49
console.aws.amazon.com/vpc/home?region=us-east-1#CreateSubnet:
aws
Services
Cloudmento
N. Virginia
Support
Subnets > Create subnet
Create subnet
Specify your subnet's IP address block in CIDR format; for example, 10.0.0.0/24. IPv4 block sizes must be between a /16 netmask and /28 netmask, and can be the same size as your VPC. An IPv6 CIDR block must be a /64 CIDR block.
Name tag
Private_Subnet
VPC*
Availability Zone
Filter by attributes
vpc-fd549880
VPC CIDRs
vpc-0321cd25bc891fdff
first_vpc
Status Reason
IPv4 CIDR block*
* Required
Cancel
Create
Feedback
English (US)
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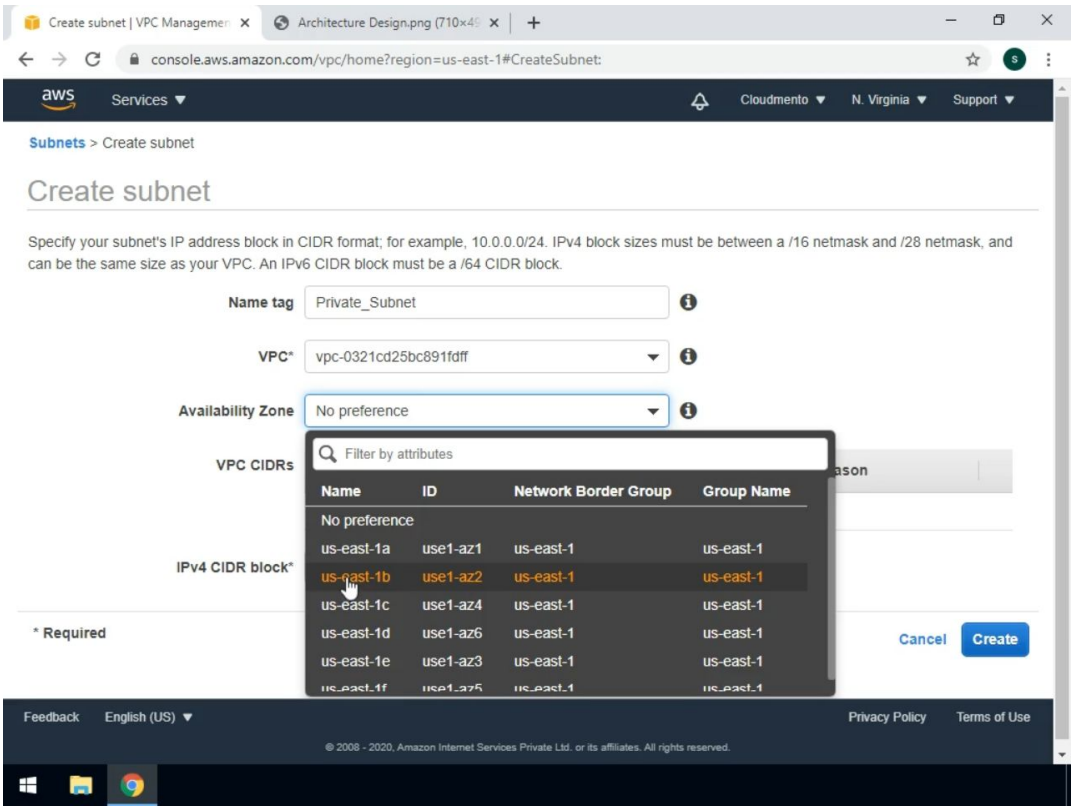
▷ 3:45


Create subnet | VPC Management
Architecture Design.png (710×49
console.aws.amazon.com/vpc/home?region=us-east-1#CreateSubnet:
aws
Services
Cloudmento
N. Virginia
Support
Subnets > Create subnet
Create subnet
Specify your subnet's IP address block in CIDR format; for example, 10.0.0.0/24. IPv4 block sizes must be between a /16 netmask and /28 netmask, and can be the same size as your VPC. An IPv6 CIDR block must be a /64 CIDR block.
Name tag
Private_Subnet
VPC*
vpc-0321cd25bc891fdff
Availability Zone
No preference
VPC CIDRs
Filter by attributes
Name
ID
Network Border Group
Group Name
No preference
us-east-1a
use1-az1
us-east-1
us-east-1
us-east-1b
use1-az2
us-east-1
us-east-1
us-east-1c
use1-az4
us-east-1
us-east-1
us-east-1d
use1-az6
us-east-1
us-east-1
us-east-1e
use1-az3
us-east-1
us-east-1
IPv4 CIDR block*
* Required
Cancel
Create
Feedback
English (US)
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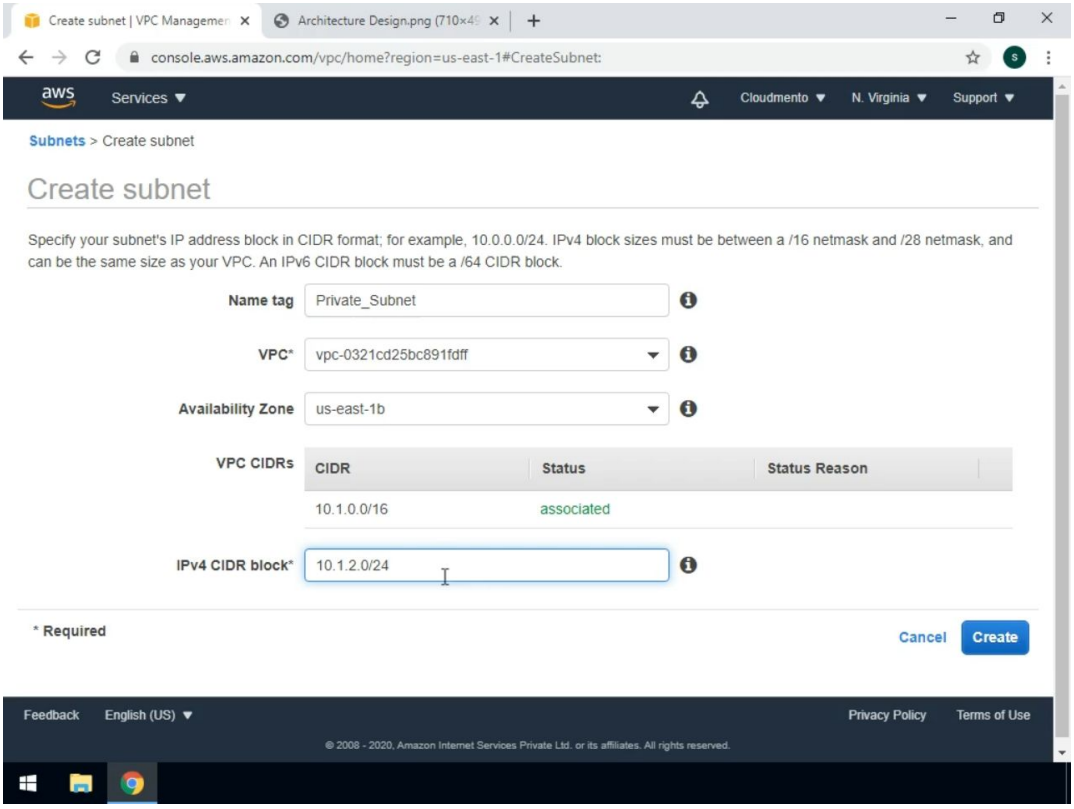
▷ 3:51


Create subnet | VPC Management
Architecture Design.png (710×49
console.aws.amazon.com/vpc/home?region=us-east-1#CreateSubnet:
aws
Services
Cloudmento
N. Virginia
Support
Subnets > Create subnet
Create subnet
Specify your subnet's IP address block in CIDR format; for example, 10.0.0.0/24. IPv4 block sizes must be between a /16 netmask and /28 netmask, and can be the same size as your VPC. An IPv6 CIDR block must be a /64 CIDR block.
Name tag
Private_Subnet
VPC*
vpc-0321cd25bc891fdff
Availability Zone
us-east-1b
VPC CIDRs
CIDR
Status
Status Reason
10.1.0.0/16
associated
IPv4 CIDR block*
10.1.2.0/24
* Required
Cancel
Create
Feedback
English (US)
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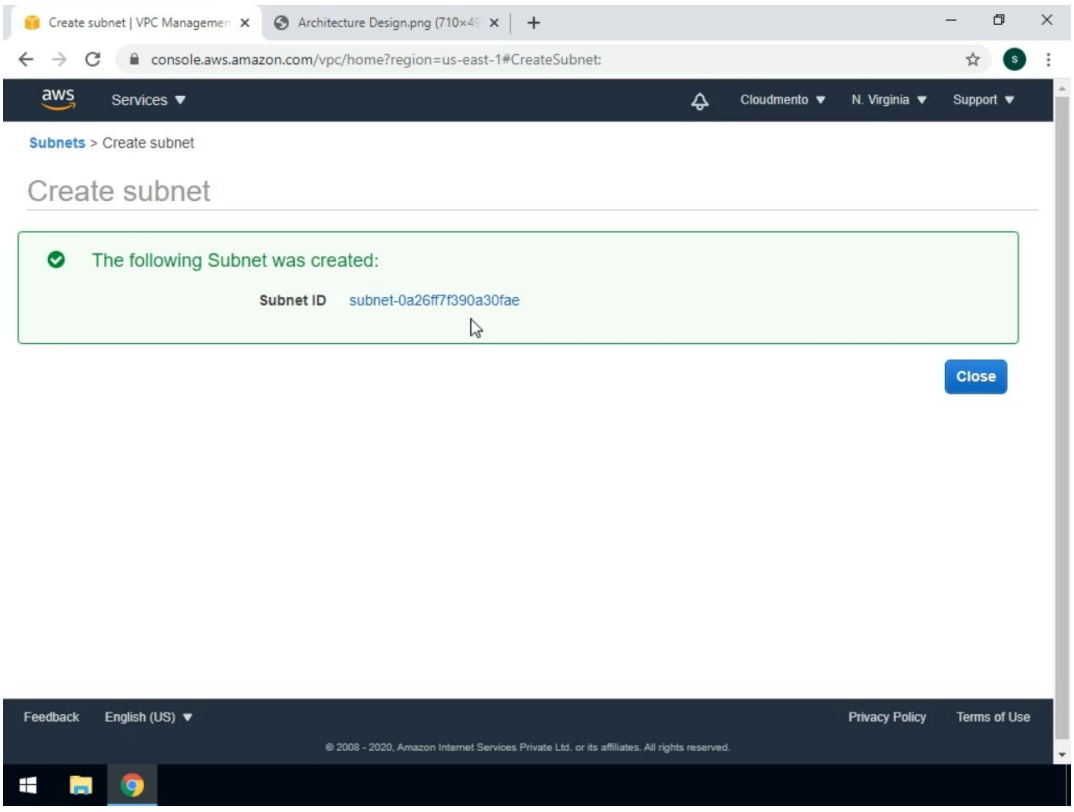
▷ 4:00


Create subnet | VPC Management
Architecture Design.png (710×49
console.aws.amazon.com/vpc/home?region=us-east-1#CreateSubnet:
aws
Services
Cloudmento
N. Virginia
Support
Subnets > Create subnet
Create subnet
The following Subnet was created:
Subnet ID
subnet-0a26ff7f390a30fae
Close
Feedback
English (US)
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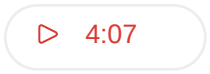
4:07